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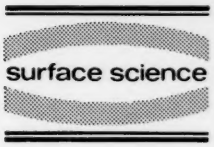

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A.C. Dillon, M.B. Robinson, S.M. George and D.A. Roberts, Adsorption and decomposition of diethylgermane on porous silicon surfaces 286 (1993) L535
M. Maline, M. Ducarroir, F. Teyssandier, R. Hillel, R. Berjoan, F.J.J. Van Loo and W. Wakelkamp, Auger electron spectroscopy of compounds in the Si–Ti–C system. Characterization of Si–Ti–C multiphased materials obtained by CVD 286 (1993) 82
I. Al-Hayek and Ş. Katircioglu, Water adsorption on the Si(110) surface 286 (1993) 92
W. Raunau, H. Niehus, Th. Schilling and G. Comsa, Scanning tunneling microscopy and spectroscopy of iron silicide epitaxially grown on Si(111) 286 (1993) 203

Silicon carbide
M. Maline, M. Ducarroir, F. Teyssandier, R. Hillel, R. Berjoan, F.J.J. Van Loo and W. Wakelkamp, Auger electron spectroscopy of compounds in the Si–Ti–C system. Characterization of Si–Ti–C multiphased materials obtained by CVD 286 (1993) 82

Silver
G. Lee, P.T. Sprunger and E.W. Plummer, Surface plasmon dispersion and damping on Ag(110) 286 (1993) L547
Y.B. Zhao, J.E. Whitten and R. Gomer, Electron stimulated desorption of hydrogen from W(110) 286 (1993) 290
J. Zhang, B. Heinrich and K. Colbow, Surface observations of fractal patterns on SnO_2 films 286 (1993) 327

Surface diffusion
K.A. Fichthorn and W.H. Weinberg, An analysis of adsorbate mobility from the kinetics of two-dimensional domain growth: precursor-mediated surface diffusion 286 (1993) 139

Surface melting
A. Pavlovska, D. Dobrev and E. Bauer, Surface melting versus surface non-melting: an equilibrium shape study 286 (1993) 176

Surface plasmons
E. Anno and T. Yamaguchi, Optical absorption of Ni and Pd particles: enhanced correlation interaction between conduction electrons 286 (1993) 168

Surface segregation
R. Najafabadi and D.J. Srolovitz, Order–disorder transitions at and segregation to (001) Ni–Pt surfaces 286 (1993) 104

Surface states and interface states
G. Lee, P.T. Sprunger and E.W. Plummer, Surface plasmon dispersion and damping on Ag(110) 286 (1993) L547
R. Matzdorf, G. Meister and A. Goldmann, Temperature-dependent photoemission spectra from Cu(100) and Cu(111) surfaces 286 (1993) 56
T. Munakata, K. Mase and I. Kinoshita, Two-photon photoemission from NO adsorbed on Cu(111) 286 (1993) 73

Surface structure, see also Low energy electron diffraction
P. Hu, A. Wander, L. Morales de la Garza, M.P. Bessent and D.A. King, An adsorbate-stabilised vacancy structure for Cu on W{100}: a surface alloy 286 (1993) L542
D.R. Eisner and T.L. Einstein, Simple formula for Miller indices of periodically kinked and stepped fcc surfaces 286 (1993) L559
U. Starke, A. Barbieri, N. Materer, M.A. Van Hove and G.A. Somorjai,Ethylidyne on Pt(111): determination of adsorption site, substrate relaxation and coverage by automated tensor LEED 286 (1993) 1
Th. Rodach, K.-P. Bohnen and K.M. Ho, First principles calculations of lattice relaxation at low index surfaces of Cu 286 (1993) 66
W. Raunau, H. Niehus, Th. Schilling and G. Comsa, Scanning tunneling microscopy and spectroscopy of iron silicide epitaxially grown on Si(111) 286 (1993) 203
J. Zhang, B. Heinrich and K. Colbow, Surface observations of fractal patterns on SnO_2 films 286 (1993) 327

Surface thermodynamics
R. Najafabadi and D.J. Srolovitz, Order–disorder transitions at and segregation to (001) Ni–Pt surfaces 286 (1993) 104

Thermal desorption
A.M. Glines and A.B. Anton, Effects of the hydrogen-induced (1×2) surface reconstruction on the kinetics of ethylene hydrogenation on Ni(110) 286 (1993) 122
V.A. Ukraintsev and I. Harrison, Methane dissociative chemisorption on Pt(111) explored by microscopic reversibility 286 (1993) L571
Z.-M. Liu, X.-L. Zhou, J. Kiss and J.M. White, Interaction of CF_3I with Pt(111) 286 (1993) 233
N. Kizhakevariam and E.M. Stuve, Promotion and poisoning of the reaction of methanol on clean and modified platinum (100) 286 (1993) 246
K.-H. Allers, H. Pfnür, P. Feulner and D. Menzel, Associative desorption of HD and D_2 from a Ni(100) surface: angular and velocity distributions 286 (1993) 297

Tin oxide
J. Zhang, B. Heinrich and K. Colbow, Surface observations of fractal patterns on SnO_2 films 286 (1993) 327

Titanium
M. Maline, M. Ducarroir, F. Teyssandier, R. Hillel, R. Berjoan, F.J.J. Van Loo and W. Wakelkamp, Auger electron spectroscopy of compounds in the Si–Ti–C system. Characterization of Si–Ti–C multiphased materials obtained by CVD 286 (1993) 82

Tungsten
P. Hu, A. Wander, L. Morales de la Garza, M.P. Bessent and D.A. King, An adsorbate-stabilised vacancy structure for Cu on W{100}: a surface alloy 286 (1993) L542
N.T. Barrett, B. Villette, A. Senhaji, C. Guillot, R. Belkhou, G. Tréglia and B. Legrand, Experimental study of the growth and dissolution of Re/W(110) by core level photoemission spectroscopy: formation of a surface alloy 286 (1993) 150
Y.B. Zhao, J.E. Whitten and R. Gomer, Electron stimulated desorption of hydrogen from W(110) 286 (1993) 290

Tunneling
J. Wintterlin and Ph. Avouris, Hydrogen effects in CVD: selective etching and metastable phases 286 (1993) L529

H. Yu, J. Yan, Y. Li, W.S. Yang, Z. Gu and Y. Wu, Scanning tunneling microscopy of C_{60} on graphite 286 (1993) 116
V.M. Hallmark and S. Chiang, Imaging structural details in closely related molecular adsorbate systems 286 (1993) 190
W. Raunau, H. Niehus, Th. Schilling and G. Comsa, Scanning tunneling microscopy and spectroscopy of iron silicide epitaxially grown on Si(111) 286 (1993) 203

Water
I. Al-Hayek and Ş. Katircioglu, Water adsorption on the Si(110) surface 286 (1993) 92

Work function
Th. Rodach, K.-P. Bohnen and K.M. Ho, First principles calculations of lattice relaxation at low index surfaces of Cu 286 (1993) 66

X-ray scattering
S. Ferrer, Phase information in the crystal truncation rods 286 (1993) L564
C.A. Lucas, G.C.L. Wong, C.S. Dower, F.J. Lamelas and P.H. Fuoss, Initial stages in the epitaxial growth of NaCl on Ge(001) 286 (1993) 46